

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS (APS) AND LED COUNTDOWN PEDESTRIAN SIGNALS (CPS) AT THE INTERSECTION OF MD 185 (CONNECTICUT AVE) AND SAUL ROAD IN MONTGOMERY COUNTY.

MD 185 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA 5 PHASE, FULLY-ACTUATED MODE WITH SIDE STREET SPLIT PHASING. THE EXISTING PHASE 8 PEDESTRIAN MOVEMENT SHALL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSSES SHALL REMAIN. THE MONTGOMERY COUNTY SIGNAL SHOP WILL INSTALL ONE (1) 2 WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS CONNECTICUT AVE

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS CONNECTICUT AT SAUL, WAIT".

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

SPECIAL NOTES

1. ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY MONTGOMERY COUNTY FORCES. CONTACT KAMAL HAMUD AT (240) 777-8761 72 HOURS IN ADVANCE OF INTENDED WORK.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Cedric Ward
Assistant District Engineer - Traffic
Phone: 301-513-7358

Mr. Victor Grafton
District Utility Engineer
Phone: 301-513-7350

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: 301-513-7304

OFFICE OF TRAFFIC AND SAFETY:

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Chief Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Chief Sign Operations
410-787-7670

MONTGOMERY COUNTY:

Mr. Kamal Hamud
Traffic Engineering
240-777-8761

Mr. Bob Ricketts
Signal Shop
301-279-1975

The Power Company is:
Pepco
8300 Old Marlboro Pike
Upper Marlboro, MD 20442
Phone: 301-961-5325

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
973022	2 SF	SHEET ALUMINUM SIGNS: 2 EA - R10-301 "PUSH BUTTON TO CROSS CONNECTICUT AVE"

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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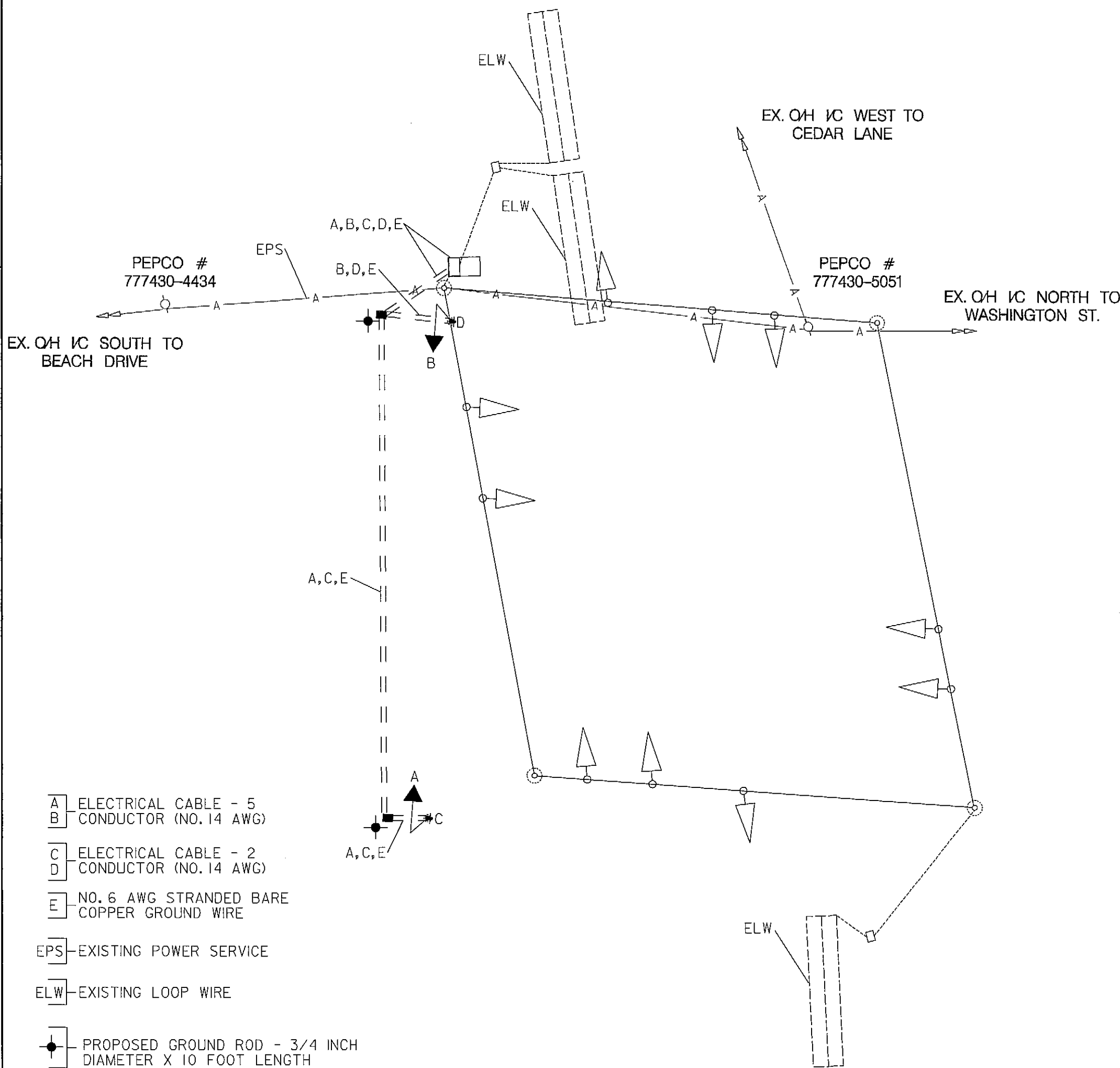
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

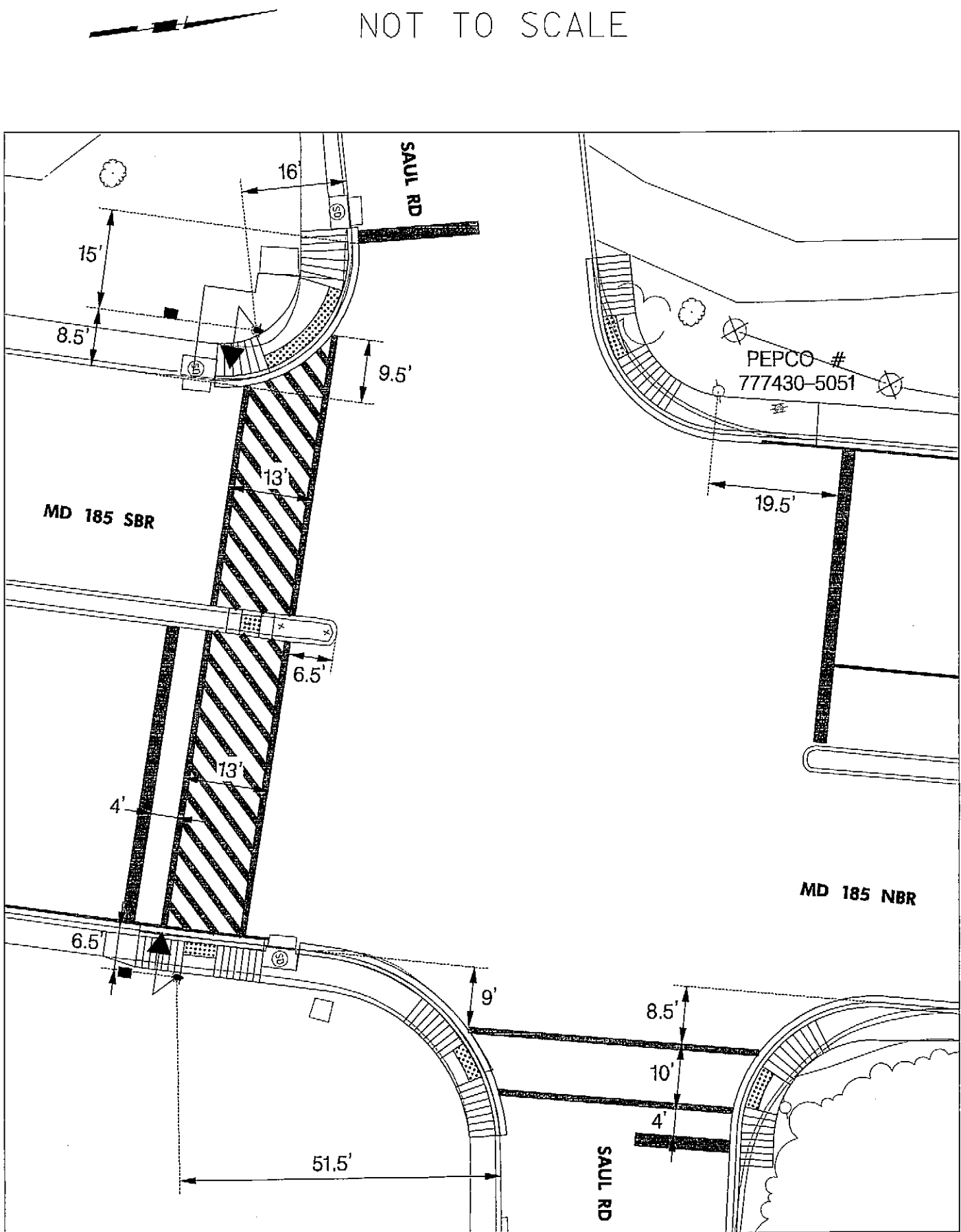
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
203030	1 CY	TEST PIT EXCAVATION
585617	25 LF	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585621	530 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	140 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	750 LF	REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH
800000	1 EA	2 WIRE CENTRAL CONTROL UNIT
800000	1 EA	4 INCH 90 DEGREE PVC CONDUIT BEND IN EXISTING FOUNDATION
800000	2 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
800000	2 EA	LED COUNTDOWN PEDESTRIAN SIGNALS
800000	1 EA	REMOVE & DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
801004	1 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	160 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805118	110 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	30 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805140	20 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	2 SF	INSTALL OVERHEAD SIGN
818004	2 EA	10 FOOT BREAKAWAY PEDESTAL POLE
837001	2 EA	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
861105	190 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	200 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

PHASE CHART



PROPOSED SIGNAL EQUIPMENT AND PAVEMENT MARKING LAYOUT



PHASE CHART

PHASE CHART	1	2	3	4	5	6	7	8	9	10	11	12
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 2 AND 6	G	G	G	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	G	G	G	G	G	G	DW	DW
PHASE 3 CHANGE	R	R	R	R	G	G	G	G	G	G	DW	DW
PHASE 3 AND 8 ALT.	R	R	R	R	G	G	G	R	R	R	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	R	R	R	FLDW	FLDW
PHASE 3 AND 8 ALT. CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
PHASE 4	R	R	R	R	R	R	R	G	G	G	DW	DW
PHASE 4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4 AND 8 ALT.	R	R	R	R	R	R	R	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	G	G	G	FLDW	FLDW
PHASE 4 AND 8 ALT. CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 185 (CONNECTICUT AVENUE)

AT SAUL ROAD
KENSINGTON, MARYLAND

GENERAL INFORMATION SHEET

SCALE: NONE ADVERTISED DATE: 11/2011 CONTRACT NO.: MO2235176

DESIGNED BY: EMP COUNTY: MONTGOMERY
DRAWN BY: KKT LOGMILE: 15018503.37
CHECKED BY: MTS TMS NO.: K838
F.A.P. NO.: TOD NO.:

TS NO. 10691A DRAWING SG-02 OF 04 SHEET NO. 02 OF 04